SERVICE MANUAL

TTR-8632UCE
Stereo Turntable
with FM-AM radio and
USB-jack +SD cardreader

ISSUE DATE: 03-07-2008

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EC-Declaration of Conformity

CE marking

We, Manufacturer/Importer
(full address)

Goldsound Electronic Limited
Flat 3, 10/F., Block B Hoi Luen Industrial Centre 55 Hoi Yuen Road
KWUN TONG, KOWLOON HONGKONG

declare that the product
(description of the apparatus, system, installation to which it refers)

Turntable with Radio & USB/SD Slot
TT-186WE

is in conformity with

Council Directive 2006/95/EC* (Low Voltage Directive)
(* with effect from January 16/2007 the Directive 73/23/EEC is changed to Directive 2006/95/EC - without technical modification)
Standards to which conformity is declared:
CE-marking 2007

EN60065 2002	Audio, video and similar electronic apparatus - Safety requirements (IEC60065:2001, modified)

► please note reverse side

GOLDSOUND ELECTRONIC 金聲電子實業有限公司 LIMITED

(Stamp)

Manufacturer/Importer

Date: 16 JULY 2007

Signature:

Name: WILLIAM NG

EMC-SAFETY-MILITARY pkm SINCE 1978 TESTED IN GERMANY

Date: 04.05.2007
Ref. No.: L07/05-0011
Based on Test-Report pkm ref.no.: 07/02.0003

ACCREDITATION:
DAT-P-199/96-02

pkm electronic GmbH

Authorized Signature

EC-Declaration of Conformity

CE marking

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TT-186WE

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Council Directive 2004/108/EC (EMC Directive)
Standards to which conformity is declared:

EN55013 2001+A1:2003+A2:2006	Sound and television broadcast receivers and associated equipment Radio disturbance characteristics - Limits and methods of measurement
EN55020 2002+A1:2003+A2:2006	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement
EN61000-3-2 2000+A2:2005	Electromagnetic compatibility (EMC) - Part 3-2: Limits Limits for harmonic current emissions (equipment input current up to and including 16A per phase)
EN61000-3-3 1995+A1:2001+A2:2005	Electromagnetic compatibility (EMC) - Part 3: Limits - Section 3 Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current up to 16A per phase

► please note reverse side

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Based on Test-Report, pkm ref no.: 07/02-0019

ACCREDITATIONS:
DAT-P-199/96-02
KBA-P 00088-96

pkm electronic GmbH

Authorized Signature

GOLDSOUND ELECTRONIC LIMITED
B.O.M. LIST

J071023 TT-186WE(2S)® Reflixion AM-FM VDE-230V 无铅BOM

备注:生产数量为 2222PCS

ITEM	PART NO.	DESCRIPTION	中文名稱	QTY.	LOCATION	UPDATE DATE
1	121-411081-7DR	TRANSFORMER EI41 VDE 230V APP 125° FUSE (L30)	變壓器	1		
2	172-000000-00R	SPEAKER 2' 4OHM 3-5W MAG=40MM W/SHINNY BLK CAP & WHITE PAPER,WITH MOUNTING	喇叭	2		
2	192-300000-03R	CLOSE END CONNECTOR UL/VDE "CE2"	奶咀	2	FOR TRANSFORMER	RD-0091-07
3	201-033072-01R	POWER CORD VDE/APP.72" W/0 SOCKET 'SINO FRAME'	电源線	1		
4	303-000003-03R	CABLE TIE 3" CV-100	3寸扎線	4		
5	305-103503-00R	UL SHRINK TUBE DIA 10MM L=35MM (1Roll=100M=2850PCS)	热缩胶管	2	FOR CLOSE END CONNECTOR	
6	305-184503-00R	UL SHRINK TUBE DIA 18MM L=45MM (1Roll = 50M=1100 PCS)	热缩胶管	1	FOR X'FORMER LINE CORD	
7	305-405003-00R	UL SHRINK TUBE DIA 4MM L=50MM (1Roll=200M=4000PCS)	热缩胶管	1	FOR POWER CORD	
8	405-186WE0-02R	WOODEN BOX ASSY (T.H.K.6.0MM)	主机木箱(黑木纹)	1		
9	420-001810-00R	WOODEN BACK BOARD(304.5X58.6X3.0MM)	背板	1		
10	500-260821-00R	SCREW 2.6 X 8 PW/A (W=10 mm)	螺絲	3	FOR EARPHONE JACK	
11	500-030808-00R	SCREW 3 X 8 PW/A	螺絲	4	FOR MAIN PCB HOLDER	
12	500-030802-00R	SCREW 3 X 8 P/A	螺絲	4	FOR MAIN PCB	
13	500-260808-00R	SCREW 2.6 X 8 PW/A	螺絲	4	FOR RACK HOLDER	
14	500-030621-00R	SCREW 3X 6 PW/A (W=10 mm)	螺絲	4	FOR SPK PANEL	
15	500-020507-00R	SCREW 2 X 5 PW/T	螺絲	1	FOR SMALL GEAR	RD-0098-07
16	500-040808-00R	SCREW 4 X 8 PW/A	螺絲	8	FOR SPEAKER	
17	500-260802-00R	SCREW 2.6 X 8 P/A	螺絲	3	FOR VOLUME PCB	
18	500-261002-00R	SCREW 2.6 X 10 P/A	螺絲	12	5 FOR RADIO PCB; 7 FOR KEY PCB .	
19	500-031003-00R	SCREW 3X10 B/A	螺絲	1	1 FOR BAR HOLDER	
20	500-031208-00R	SCREW 3 X 12 PWA	螺絲	5	2 FOR FRONT CABINT; 3 FOR FIBER BOARD.	
21	501-031202-00R	SCREW 3 X 12 B/M	螺絲	2	FOR SPK TERMINAL	
22	501-031402-01R	SCREW 3 X 14 BM	黑色螺絲	4	FOR SIDE CABINET	
23	501-041202-00R	SCREW 4 X 12 B/M	螺絲	3	FOR AC CORD MTG BKT.	
24	501-041502-00R	SCREW 4 X 15 B/M	螺絲	2	FOR TRANSFORMER,	
25	501-042202-00R	SCREW 4 X 22 B/M	螺絲	3	3 FOR FRONT CABINET	
26	501-260403-00R	SCREW 2.6 X 4 K/M	螺絲	2	FOR PVC	
27	501-260502-00R	SCREW 2.6 X 5 B/M	螺絲	1	FOR PVC	
28	508-000003-00R	NUT M3	螺母	2	FOR SPK TERMINAL	
29	510-085003-00R	SOLDERING LUG DIA8.0X50X03MM	焊錫片	1	FOR POWER CORD	
30	602-112018-01R	PAD-CORD(112X18X1.0MM) W/TAPE	黑色海綿貼	1	FOR BACKLIGHT	
31	602-080805-05R	PAD CORD 8X8X5 MM	高密度海棉	1	FOR SENIOR	
32	605-001926-05R	RUBBER FOOT DIA19X26X5	特別橡膠腳	4		
33	707-063200-00R	FIXING -PLATE (A) (M4 SCREW)	面壳固定片	3	FOR FRONT CABINET (BOTTOM)	
34	707-008800-00R	FIXING -PLATE	火牛固定片	2	FOR TRANSFORMER	
35	708-061200-A0R	AC CORD MTG BRACKET	電源線支架	1		
36	715-001800-01R	SPEAKER-GRILL	喇叭鐵網(银)	2		
37	800-018600-01R	FRONT CABINET	闪银面殼	1		
38	829-018600-00R	BASS BOOST KNOB	重低音鈕	1		
39	825-018600-00R	FUNCTION KNOB	功能鈕(左)	1件2鍵		
40	825-018600-00R	FUNCTION KNOB	功能鈕(右)	1件4鍵		
41	822-018600-00R	VOLUME KNOB	音量鈕	1		
42	823-018600-00R	TUNING-KNOB	撰台鈕	1		
43	827-018600-00R	FUNCTION-SLIDE KNOB	功能推紐	1		
44	827-018601-00R	BAND-SLIDE KNOB	波段推鈕	1		
45	843-018600-00R	LCD BRACKET	LCD支架	1		
46	823-018301-00R	TUNING-GEAR	撰台齒	1		
47	823-018302-00R	TUNING-SMALL GEAR	過橋齒	1		
48	864-018300-00R	RACK DIAL POINTER	齒條	1		
49	865-018300-00R	DAIL-DRUM	調台鼓	1		
50	840-018300-00R	DAIL-POINTER BRACKET	齒條支架	1		
51	845-018300-00R	MAIN PCB HOLDER	PCB板支架	4		
52	867-028100-00R	BAR HOLDER	磁棒支架	1		
53	856-001800-00R	SPEAKER -PANEL	喇叭音面	2		
54	874-061200-00R	STRAIN RELIEF BUSHING (4N-4)	电源線套	1		RD-0087-07
55	912-018602-00R	FM PVC (224x15.8X0.7mm)有USB SD卡孔	PVC貼片	1		
56	912-018600-00R	PLATE PVC (300X35.6X1.0mm)有按键孔	魔术片	1		
57	901-018600-03R	GIFT BOX (CENTER OPEN)"Reflexion"	彩盒	1	**注:同18W包装!**	

58	902-018600-04R	INSTRUCTION MANUAL"Reflexion"	說明書(德文/英文)	1		
59	919-018600-07R	SERIAL NO. LABEL :GS-071124992至GS-071127213	流水號碼貼紙	1		
60	919-018602-04R	RATING LABEL"Reflexion"	后牌貼纸	1		
61	919-063210-00R	THERMAL FUSEL LABEL 125° FUSE	火牛貼紙	1		
62	919-001808-00R	CAUTION MARK LABEL	警告貼紙	1		ECN:RD-0046-04
63	919-A28101-00R	HI-POT TEST PASSED LABEL	高壓貼紙	1		
64	919-A28102-00R	QC PASSED LABEL	QC合格貼紙	1		
65	930-001800-00R	POLYFOAM "L"	發泡膠	1		
66	930-001801-00R	POLYFOAM "R"	發泡膠	1		
67	960-090404-04R	POLYBAG9(L) X 4" (W) X 0.03MM W/PRINTING & PUNCH HOLE	電源線膠袋	1	FOR POWER CORD	
68	960-211604-04R	POLYBAG 21(L) X 16' (W) X 0.03MM PUNCH HOLE	主机膠袋	1	FOR UNIT	
69	960-181504-04R	POLYBAG 18'X15'X0.03MM W/PRINTING@PUCH HOLE	唱盘膠袋	1	FOR DUST COVER	
70	968-090012-00R	FILMENT TAPE L=90X12mm	纖維膠紙	2	1 FOR REVOLE-TABLE COVER,1 FOR ARM - LOCKER	
71	968-030012-00R	FILMENT TAPE L=30X12MM(1R=550PCS)	纖維膠紙	2	FOR TURNTABLE	ECN:RD-0063-04
72	968-080012-00R	FILMENT TAPE L=80X12mm	纖維膠紙	1	FOR TURNTABLE	RD-00114-04
73	**PCB-E18301-00R**	**P.C.B. MAIN (1.5W) TT-183E PM1 ASS'Y**	**主板组合件**			
74	100-E18301-00R	P.C.B. MAIN (1.5W) TT-183E PM1 (139X112X1.6MM)	线路板	1		
75	101-0T8227-02R	I.C. UTC8227 (POLYSOURCE)	集成块	1	IC1	
76	101-002712-00R	I.C. CE2712(SSOP8-1.27)	集成块	1	IC2.	
77	101-002632-00R	I.C. CE2632(SSOP14-1.27)	集成块	1	IC3.	
78	101-007805-05R	I.C. L7805 ' S@TECH'	集成块	1	IC4	
79	102-030945-P1R	TRANSISTOR 2SC945P	三级管	9	Q1.2.3.5.6.7.8.9.12.	
80	102-038050-D0R	TRANSISTOR 2SC8050D	三级管	2	Q13.14.	
81	104-134148-04R	SILCON DIODE IN 4148	二级管	4	D7.10.13.14.	RD-0107-07R
82	104-314002-31R	DIODE IN4002	二级管	7	D1.2.3.4.5.15.16.	
83	104-410039-34R	ZENER DIODE 3.9V 500mW	稳压二级管	1	ZD2.	
84	104-410091-34R	ZENER DIODE 9.1V 500mW	稳压二级管	1	ZD7	
85	112-169344-00R	CRYSTAL 16.9344MHZ	晶振	1	X1.	
86	117-410205-10R	CHOKE COIL 10uH +/-15%	电阻式电感	2	L6.7.	
87	130-122931-00R	CAR. RESISTOR 2.2 OHM 1/4W+/-5%	碳膜电阻	1	D17	RD-0107-07R
88	130-147933-00R	CAR. RESISTOR 4.7 OHM 1W+/-5%	碳膜电阻	1	R3	RD-0028-07R
89	130-110030-00R	CAR. RESISTOR 10 OHM 1/8W+/-5%	碳膜电阻	4	R79.102.111.115.	
90	130-168030-00R	CAR. RESISTOR 68 OHM 1/8W+/-5%	碳膜电阻	1	R103.	RD-0028-07R
91	130-118130-00R	CAR. RESISTOR 180 OHM 1/8W+/-5%	碳膜电阻	2	R30.31.	RD-0080-07
92	130-110230-00R	CAR. RESISTOR 1K OHM 1/8W+/-5%	碳膜电阻	4	R1.83.99.100.	
93	130-110330-00R	CAR. RESISTOR 10K OHM 1/8W+/-5%	碳膜电阻	16	R2.7.21.57.58.59.66.67.68.90.105.106.112.113.114.117.	
94	130-112330-00R	CAR. RESISTOR 12K OHM 1/8W+/-5%	碳膜电阻	2	R10.12.	
95	130-115330-00R	CAR. RESISTOR 15K OHM 1/8W+/-5%	碳膜电阻	2	R70.77.	
96	130-110430-00R	CAR. RESISTOR 100K OHM 1/8W+/-5%	碳膜电阻	2	R26.36.	
97	130-110530-00R	CAR. RESISTOR 1M OHM 1/8W+/-5%	碳膜电阻	1	R109	
98	130-115530-00R	RESISTOR 1.5M OHM 1/8W+/-5%	碳膜电阻	2	R33.37.	
99	130-127030-00R	CAR. RESISTOR 27 OHM 1/8W+/-5%	碳膜电阻	2	R78.81.	
100	130-122130-00R	CAR. RESISTOR 220 OHM 1/8W+/-5%	碳膜电阻	9	R8.14.42.92.93.94.95.104.110.	
101	130-122230-00R	CAR. RESISTOR 2.2K OHM 1/8W+/-5%	碳膜电阻	7	R24.60.64.65.71.76.89.	
102	130-127230-00R	CAR. RESISTOR 2.7K OHM 1/8W+/-5%	碳膜电阻	2	R11.13.	
103	130-122330-00R	CAR. RESISTOR 22K OHM 1/8W+/-5%	碳膜电阻	4	R29.50.69.87.	
104	130-122430-00R	CAR. RESISTOR 220K OHM 1/8W+/-5%	碳膜电阻	2	R49.61	AVO-0031-07
105	130-127430-00R	CAR. RESISTOR 270K OHM 1/8W+/-5%	碳膜电阻	2	R20.23.	AVO-0031-07
106	130-139130-00R	CAR. RESISTOR 390 OHM 1/8W+/-5%	碳膜电阻	1	R80	
107	130-133230-00R	CAR. RESISTOR 3.3K OHM 1/8W+/-5%	碳膜电阻	7	R27.28.47.82.85.86.88.	
108	130-147130-00R	CAR. RESISTOR 470 OHM 1/8W+/-5%	碳膜电阻	3	R96.97.98.	RD-0152-07R
109	130-147230-00R	CAR. RESISTOR 4.7K OHM 1/8W+/-5%	碳膜电阻	6	R5.16.17.34.35.108.	
110	130-147330-00R	CAR. RESISTOR 47K OHM 1/8W+/-5%	碳膜电阻	2	R25.54.	
111	130-168130-00R	CAR. RESISTOR 680 OHM 1/8W+/-5%	碳膜电阻	1	R74	
112	130-151230-00R	CAR. RESISTOR 5.1K OHM 1/8W+/-5%	碳膜电阻	1	R75	RD-0097-07R
113	130-168330-00R	CAR. RESISTOR 68K OHM 1/8W+/-5%	碳膜电阻	2	R62.63	
114	130-182230-00R	CAR. RESISTOR 8.2K OHM 1/8W+/-5%	碳膜电阻	3	R19.22.91.	
115	140-015023-20R	N.P.O.CERAMIC CAP 15P +/-5% 50V	瓷片电容	2	C101.102.	
116	140-047023-20R	N.P.O.CERAMIC CAP 47P +/-5% 50V	瓷片电容	2	C92.93.	
117	140-010122-00R	C.CAP 100PF +/-10% 50V	瓷片电容	1	C87	
118	140-050122-00R	C.CAP 500PF+/-10% 50V	瓷片电容	2	C18.20.	
119	140-010220-00R	C.CAP 1000PF +/-10% 50V	瓷片电容	1	C116	RD-0222-07R
120	140-022320-00R	C.CAP 0.022UF+80-20% 50V	瓷片电容	12	C4.5.8.9.11.86.91.104.107.109.111.113.	
121	140-010420-00R	C.CAP 0.1UF+80-20% 50V	瓷片电容	2	C15.33.	
122	141-010304-30R	ELE.CAP 10UF/16V+80-20%	电解电容	1	C80.	
123	141-010404-30R	ELE.CAP 100UF/16V+80-20%	电解电容	12	C12.14.16.17.19.76.83.103.108.110.112.114.	RD-0152-07R

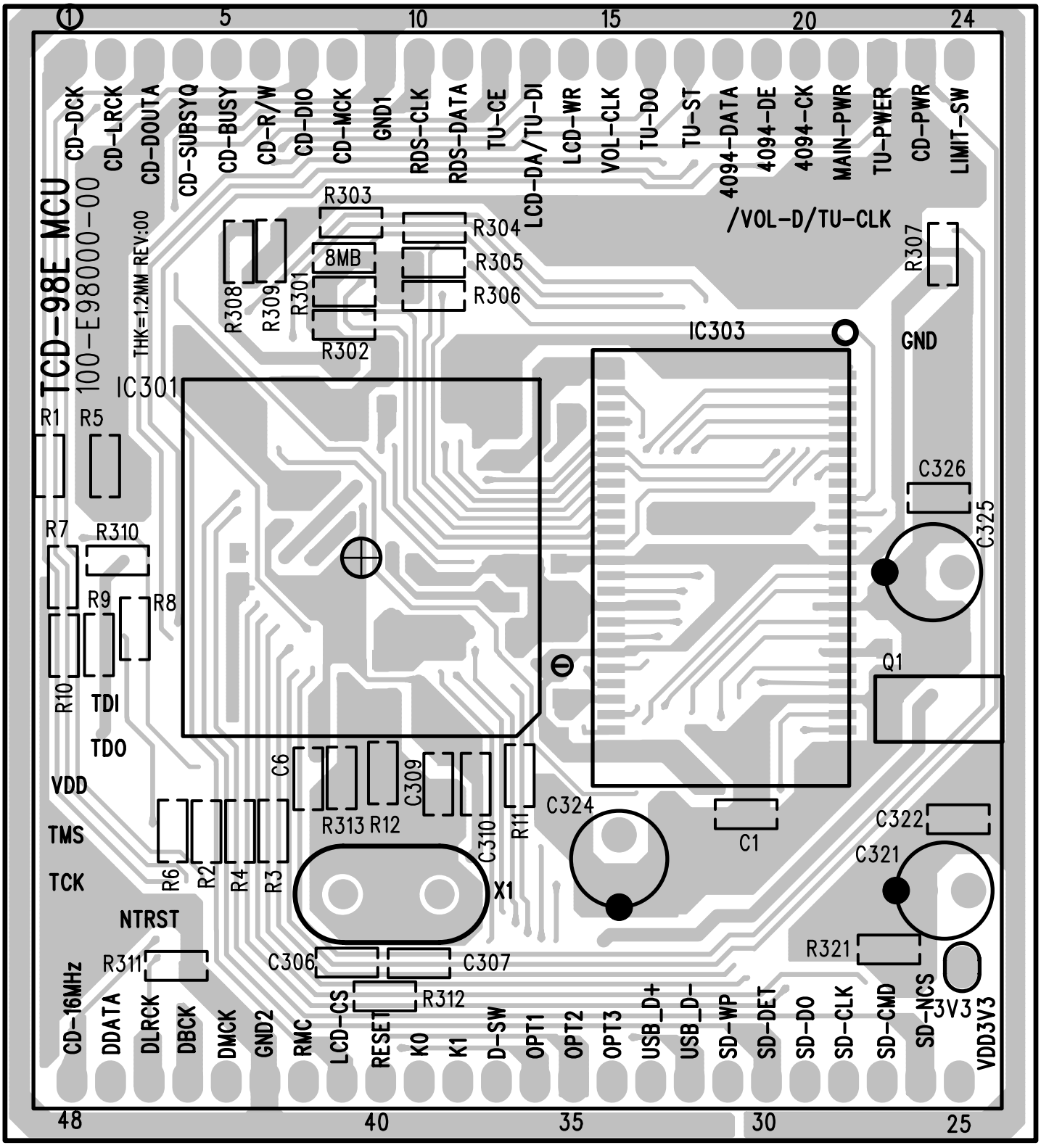
124	141-010504-30R	ELE.CAP 1000UF/16V+80-20%	电解电容	1	C95	
125	141-022107-30R	ELE.CAP 0.22UF/50V +80-20%	电解电容	2	C6.10.	
126	141-022304-30R	ELE.CAP 22UF/16V+80-20%	电解电容	3	C23.105.106	RD-0152-07R
127	141-022404-30R	ELE.CAP 220UF/16V+80-20%	电解电容	4	C24.61.69.115.	
128	141-022405-30R	ELE.CAP 220UF/25V+80-20%	电解电容	1	C 71.	
129	141-022505-30R	ELE.CAP 2200UF/25V+80-20%	电解电容	1	C1.	
130	141-022207-30R	ELE.CAP 2.2UF/50V +80-20%	电解电容	2	C62.64.	
131	141-047207-30R	ELE.CAP 4.7UF/50V +80-20%	电解电容	14	C13.21.22.25.26.27.28.30.31.32.77.78.89.90.	
132	141-047304-30R	ELE.CAP 47UF/16V+80/-20%	电解电容	1	C94	
133	141-047404-30R	ELE.CAP 470UF/16V+80/-20%	电解电容	2	C2.3.	
134	142-110210-00R	MYLAR CAP. 0.001UF +-10%100V	绦纶电容	4	97.98.99.100.	
135	142-110410-00R	MYLAR CAP. 0.1UF +-10%100V	绦纶电容	2	74.75.	
136	190-600262-00R	SPEAKER RCA JACK RS-262 (2 HOLE R.W)	音箱插座	1	LINE OUT.	
137	193-203020-00R	PIN SOCKET 3PIN 2.0MM	插座	3	CN4.7.15.	
138	193-203025-00R	PIN SOCKET 3PIN 2.5MM	插座	2	CN8.10.	
139	193-204020-00R	PIN SOCKET 4PIN 2.0MM	插座	1	CN3.	
140	193-204025-00R	PIN SOCKET 4PIN 2.5MM	插座	1	CN6.	
141	193-205020-00R	PIN SOCKET 5PIN 2.0MM	插座	2	CN1.14.	
142	193-206020-00R	PIN SOCKET 6PIN 2.0MM	插座	1	CN9.	
143	193-208025-00R	PIN SOCKET 8PIN 2.5MM	插座	1	CN11.	
144	193-212010-00R	C0NNECTOR-FFC R/A-TYPE 12PIN P=1.0M/M	12P/FFC插座	1	CW1.	
145	193-524200-00R	SOCKET 24PIN P=2.0 mm L=7.2MM (40P=1PCS)	排插座	2	IC5双排.(一排插座为一个用量）	
146	198-000001-0XR	JUMPER WIRE 40*0.5MM	铁线	38	JMP1-34. D6*1.SPEAKER*1.L9*2	
147	204-222000-22R	FUSE 250V 2A(5*20MM)	保险丝	1	F1.	
148	300-151003-00R	PVC TUBE 1.5*10MMBJFUIOU	透明胶管	8	D1.2.3.4.	
149	512-020030-00R	BRASS EYELET DIA 2*3	鸡眼	2	AC1.2.	
150	515-068800-01R	FUSE HOLDER (5*20 MM)	保险丝支架	2	FOR F1.	
151	714-088801-A0R	HEAT SINK	散热片	1	FOR IC 8227	
152	194-042121-16R	UL1007#26AWG 320MM 4P1H P=2.0MM	线材	1	PM1 CN3 TO SPEAKER	
153	194-060301-26R	UL 2547#28D/S*3P&1007#26AWG*3P 300MM 6P1H=2.5MM	线材	1	PM1 CP6 TO PP1 CN6	
154	194-030351-26R	UL2547#28D/S 350MM 3P1H P=2.5MM	线材	1	PM1 CN8 TO RCA	
155	**PCB-E18302-00R**	**P.C.B. MAIN (1.5W) TT-183E-USB-SD PR1 ASS'Y**	**收音板组合件**			
156	**100-E18302-00R**	P.C.B. TT-183E-USB-SD	线路板	1		
157	101-SO2111-03R	I.C.SA2111 (SSOP24-300-0.65A) 'POLYSOURCE'	集成块(0.65MM)	1	IC2.	
158	104-134148-04R	SILCON DIODE IN 4148	二级管	2	D8.9.	
159	111-100465-00R	CERAMIC FILTER SFU 465NB	虑波器	1	CF2.	
160	111-110700-00R	CERAMIC FILTER 10.7 MHz	虑波器	1	CF1	
161	116-7000A1-03R	I.F.T. AM OSC 7mm (RED) #A1	红周	1	T3.	
162	116-7000A2-03R	I.F.T. AM MIX 7mm (YELLOW) #A2	黄周	1	T2.	
163	116-87701R-03R	I.F.T. FM DET 7mm (PINK) # 7701R	粉周	1	T1	
164		**收音频率88MHz-108MHz范围时使用（普通机用）**				
165	151-113000-01R	PVC 443DF	PVC	1	PVC1 (20p PVC NCE牌子)	
166	118-025045-08R	FM OSC COIL 2.5T*4.5T*0.8	线圈	1	L5.	
167	118-035045-08R	FM COIL 3.5T*4.5T*0.8	线圈	1	L4.	
168	118-045045-08R	FM COIL 4.5T*4.5T*0.8	线圈	1	L3	
169	140-020023-20R	N.P.O.CERAMIC CAP 20P +/-5% 50V	瓷片电容	1	C65.	
170	140-024023-20R	N.P.O.CERAMIC CAP 24P +/-5% 50V	瓷片电容	1	C68	
171	119-212015-82R	AM COIL 120:15T L=130mm	AM天线线圈	1	AM ANT	
172	130-110330-00R	CAR. RESISTOR 10K OHM 1/8W+/-5%	碳膜电阻	3	R32.40.41.	
173	130-115330-00R	CAR. RESISTOR 15K OHM 1/8W+/-5%	碳膜电阻	2	R45.46.	
174	130-118330-00R	CAR. RESISTOR 18K OHM 1/8W+/-5%	碳膜电阻	2	R38.39.	
175	130-122930-00R	CAR. RESISTOR 2.2 OHM 1/8W+/-5%	碳膜电阻	1	R56.	
176	130-133130-00R	CAR. RESISTOR 330 OHM 1/8W+/-5%	碳膜电阻	2	R44.51.	
177	130-133230-00R	CAR. RESISTOR 3.3K OHM 1/8W+/-5%	碳膜电阻	1	R43.	
178	130-147930-00R	CAR. RESISTOR 4.7 OHM 1/8W+/-5%	碳膜电阻	1	R55.	
179	130-182130-00R	CAR. RESISTOR 820 OHM 1/8W+/-5%	碳膜电阻	1	R48.	
180	130-182330-00R	CAR. RESISTOR 82K OHM 1/8W+/-5%	碳膜电阻	1	R52.	
181	140-005023-20R	N.P.O.CERAMIC CAP 5P +/-5% 50V	瓷片电容	2	C51.54.	
182	140-015023-20R	N.P.O.CERAMIC CAP 15P +/-5% 50V	瓷片电容	1	C52.	
183	140-015122-00R	C.CAP 150P +/-10% 50V	瓷片电容	1	C67.	
184	140-010220-00R	C.CAP 1000PF +80-20% 50V	瓷片电容	1	C45.	
185	140-022320-00R	C.CAP 0.022UF+80-20% 50V	瓷片电容	10	C41.42.47.66.53.55.56.70.72.73.	
186	140-030023-20R	N.P.O.CERAMIC CAP 30P +/-5% 50V	瓷片电容	3	C58.59.63.	
187	141-010107-30R	ELE.CAP 0.1UF/50V +80-20%	电解电容	1	C46.	
188	141-010207-30R	ELE.CAP 1UF/50V+80-20%	电解电容	1	C48.	
189	141-010304-30R	ELE.CAP 10UF/16V+80-20%	电解电容	1	C50.	
190	141-010404-30R	ELE.CAP 100UF/16V+80-20%	电解电容	1	C40.	
191	141-022107-30R	ELE.CAP 0.22UF/50V +80-20%	电解电容	1	C57.	
192	141-047207-30R	ELE.CAP 4.7UF/50V +80-20%	电解电容	3	C38.39.60.	
193	142-122210-00R	MYLAR CAP. 0.0022UF +-10%100V	绦纶电容	2	C36.37.	
194	142-110310-00R	MYLAR CAP. 0.01UF +-10%100V	绦纶电容	2	C43.44.	
195	181-070060-00R	FERRITE BAR 10 x 60MM Q2M	陶铁磁棒	1		

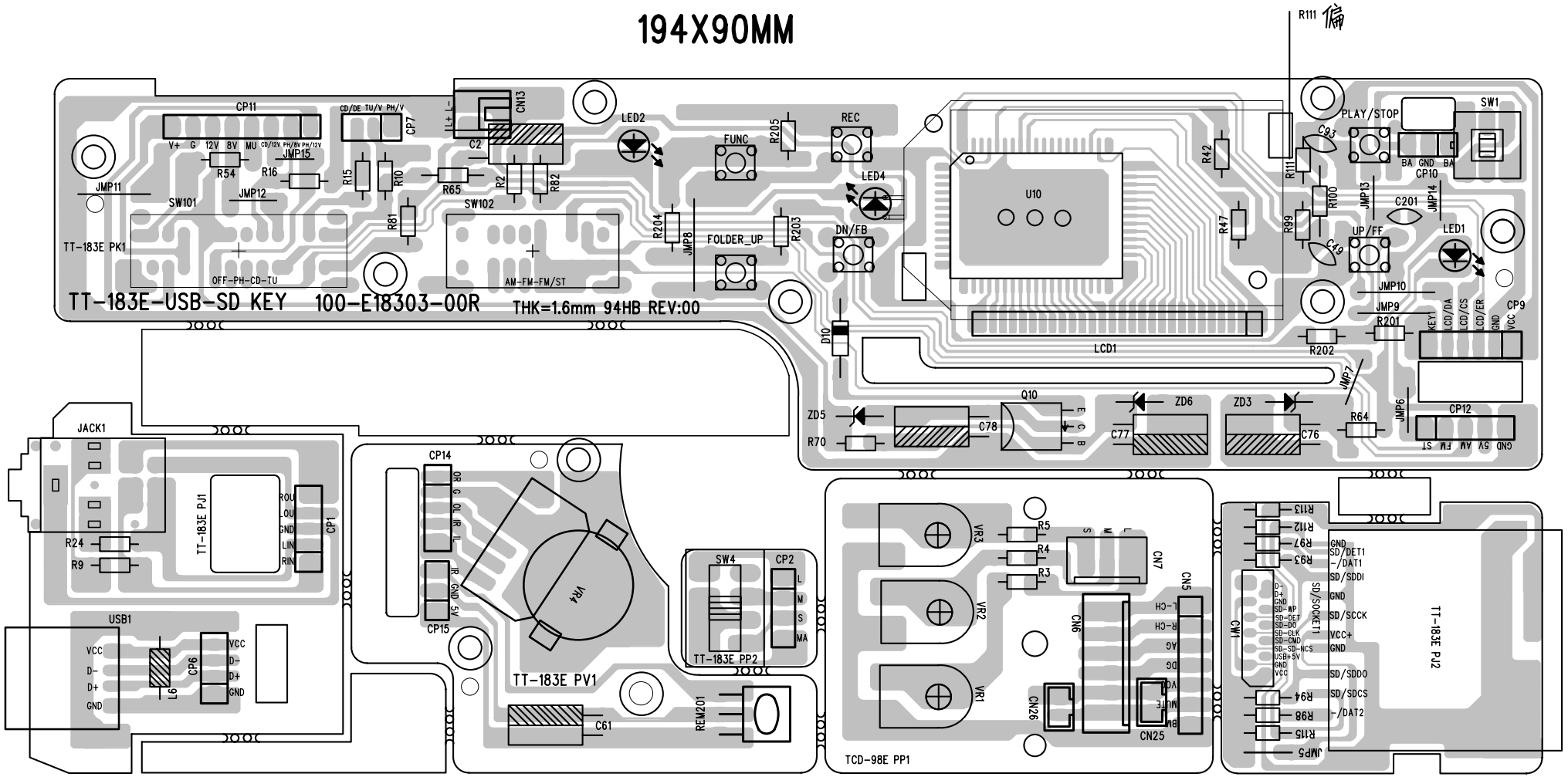
196	193-305020-00R	PIN SOCKET 5PIN 2.0MM(L/TYPE)	"L"型插座	1	CN12.	
197	198-000001-0XR	JUMPER WIRE 40*0.5MM	铁线	5	JMP1-3.L1.L2	
198	300-204003-00R	UL PVC TUBE DIA2.0*L=40MM	透明胶管	1	FOR AM ANT	
199	512-020030-00R	BRASS EYELET DIA 2*3	鸡眼	1	FM.ANT*1.	
200	603-010013-10R	SPONGE 10X10X13MM	海棉	2	FOR COIL	
201	194-030236-16R	UL2547#28D/S 200MM 3P1H P=2.0MM	线材	1	PR1 CP4 TO PM1 CN4	
202	198-326152-10R	JUMPER WIRE #26AWG 1500MM BLACK UL1007	线材	1	FOR FM ANT.	
203	**PCB-E18305-00R**	**P.C.B. KEY TT-183E-USB-SD KEY ASS'Y**	按键板组合件	1		
204	100-E18305-00R	P.C.B. TT-183E-USB-SD KEY(194X90X1.6MM)	线路板	1		
205	101-A01622-00R	I.C. HT-1622 (36PIN-SSOP)	帮定集成块	1	U10	
206	102-512236-Y3R	TRANSISTOR 2SC2236Y	三级管	1	Q10.	
207	104-134148-04R	SILCON DIODE IN 4148	二级管	1	D10.	
208	104-410039-34R	ZENER DIODE 3.9V 500mW	稳压二级管	1	ZD5.	
209	104-410047-34R	ZENER DIODE 4.7V 500mW	稳压二级管	1	ZD6.	
210	104-410051-34R	ZENER DIODE 5.1V 500mW	稳压二级管	1	ZD3.	
211	130-110030-00R	CAR. RESISTOR 10 OHM 1/8W+/-5%	碳膜电阻	2	R64.100.	
212	130-110130-00R	CAR RESISTOR 100 OHM 1/8W +/-5%	碳膜电阻	1	R2	
213	130-110230-00R	CAR. RESISTOR 1K OHM 1/8W+/-5%	碳膜电阻	1	R15	
214	130-112230-00R	CAR. RESISTOR 1.2K OHM 1/8W+/-5%	碳膜电阻	1	R202	
215	130-115230-00R	CAR. RESISTOR 1.5K OHM 1/8W+/-5%	碳膜电阻	1	R81	
216	130-110330-00R	CAR. RESISTOR 10K OHM 1/8W+/-5%	碳膜电阻	5	R10.16.42.99.111	
217	130-122130-00R	CAR. RESISTOR 220 OHM 1/8W+/-5%	碳膜电阻	1	R65	
218	130-120230-00R	CAR. RESISTOR 2 K OHM 1/8W+/-5%	碳膜电阻	1	R201	
219	130-122230-00R	CAR. RESISTOR 2.2 K OHM 1/8W+/-5%	碳膜电阻	1	R47	
220	130-127230-00R	CAR. RESISTOR 2.7K OHM 1/8W+/-5%	碳膜电阻	1	R204	
221	130-139230-00R	CAR. RESISTOR 3.9K OHM 1/8W+/-5%	碳膜电阻	2	R203.205.	
222	130-147130-00R	CAR. RESISTOR 470 OHM 1/8W+/-5%	碳膜电阻	1	R70	
223	130-147330-00R	CAR. RESISTOR 47K OHM 1/8W+/-5%	碳膜电阻	1	R54	
224	130-168130-00R	CAR. RESISTOR 680 OHM 1/8W+/-5%	碳膜电阻	1	R82	
225	140-010320-00R	C.CAP 0.01UF+80-20% 50V	瓷片电容	1	C201.	
226	140-010420-00R	C.CAP 0.1UF+80-20% 50V	瓷片电容	2	C49.93.	
227	141-010404-30R	ELE.CAP 100UF/16V+80-20%	电解电容	4	C2.76.77.78.	
228	193-302020-00R	PIN SOCKET 2PIN 2.0M/M<L/TYPE>	（ L型 ）插座	1	CN13.	
229	198-000001-0XR	JUMPER WIRE 40*0.5MM	铁线	10	JMP6-15.	
230	175-800005-00R	TACT SWITCH H:5.0MM TERMINAL	轻触开关	6	PLAY/STOP.UP/FF.DN/FB. FOLDER_UP. FUNC. REC.	
231	175-300008-00R	MIN PUSH SW YD-03-0(SELF-LOCK)	自锁按动开关	1	SW1.	
232	175-343108-00R	SLIDE SWITCH SS43D01-M8 （普通直脚）	拨动开关	1	SW102.	
233	175-344408-00R	SLIDE SWITCH SS44D04-M8 （普通直脚）	拨动开关	1	SW101.	
234	161-53K68E-25R	LCD DISPLAY TCD-68E ACD-781868-01(42.4X26.8mm)28PIN	显示镜	1	LCD1	
235	104-069801-00R	BACK LIGHT LED CU698A-01 48.4X26.8MM BLUE（TCD-68/98E）	蓝色背光源	1	LED4	
236	104-510000-48R	LED 3MM RED	红灯仔	2	LED1.2.	
237	104-520000-48R	LED 3MM YELLOW	黄灯仔	1	FOR RADIO	
238	503-083208-00R	FIBER WASHER3.2 X 8 X 0.8MM	纖維介子	2	TT-183E KEY PCB*2	
239	194-030101-26R	UL2547#28D/S 100MM 3P1H P=2.5MM	线材	1	PK1 CP10 TO PM1 CN10	
240	194-050175-16R	UL2468#26AWG 120MM 5P1H P=2.0MM	线材	1	PK1 CN12 TO PR1 CN12	
241	194-060061-16R	UL2468#26AWG 250MM 6P1H P=2.0MM	线材	1	PK1 CN9 TO PM1 CN9	
242	194-030103-16R	UL2468#26AWG 200MM 3P1H P=2.0MM	线材	1	PK1 CN7 TO PM1 CN7	
243	194-080237-26R	UL2468#26AWG 120MM 8P1H P=2.5MM	线材	1	PK1 CP11 TO PM1 CN11.	
244	194-020172-16R	UL1007#30AWG 200MM 2P1H P=2.0MM	线材	1	PK1 CN13 TO RADIO LED	
245		**P.C.B.VOL TT-183E PV1 ASS'Y**	音量板组合件			
246		P.C.B. TT-183E PV1	线路板	1		
247	141-010404-30R	ELE.CAP 100UF/16V+80-20%	电解电容	1	C61.	
248	131-161525-00R	SLIDE VOLUME RV1615G--25F-A50K	音量电位器	1	VR4	
249	105-002043-06R	OPTIC R/C REC MODULE FM0038LN-5A	接收头	1	REM201.	
250	194-030224-16R	UL2547#28D/S 350MM 3P1H P=2.0MM (黑色屏蔽线.红色插头)	线材	1	PV1 CP15 TO PM1 CN15	
251	194-050233-16R	UL2854#30T/S 280MM 5P1H P=2.0MM	线材	1	PV1 CP14 TO PM1 CN14.	
252		**P.C.B. JACK TT-183E PJ1 ASS'Y**	耳插板组合件			
253		P.C.B. JACK TT-183E PJ1	线路板	1		
254	117-410205-10R	CHOKE COIL 10uH +/-15%	电阻式电感	1	L6.	
255	130-122130-00R	CAR RESISTOR 220 OHM 1/8W +/-5%	碳膜电阻	2	R9.24.	
256	190-810000-00R	EARPHONE JACK 3.5MM W/SWITCH(BLK) TC-38-020-03	耳插座	1	JACK1	
257	190-207214-00R	USB BUA721-04R1F 14.6X14.1X7.1MM	USB插座	1	USB1.	

258	194-050175-16R	UL2468#26AWG 120MM 5P1H P=2.0MM	线材	1	PJ1 CP1 TO PM1 CN1	
259	194-040207-26R	UL2468#26AWG 250MM 4P1H P=2.5MM	线材	1	PJ1 CP6 TO PM1 CN6	
260		**P.C.B. JACK TT-183E PJ2 ASS'Y**	SD板组合件			
261		P.C.B. JACK TT-183E PJ2	线路板	1		
262	190-206015-00R	CARD SDCSF-60015W000 29.8X28X3 11 pin BRAND:BASEWIN PRODUCTS:SD/MMC插	CARD座	1	SD/SOCKET1	
263	130-110430-00R	CAR. RESISTOR 100K OHM 1/8W+/-5%	碳膜电阻	7	R93.94.97.98.112.113.115.	
264	198-000001-0XR	JUMPER WIRE 40*0.5MM	铁线	1	JMP 5 .	
265	193-212010-00R	C0NNECTOR-FFC R/A-TYPE 12PIN P=1.0M/M	12P/FFC插座	1	CW1	
266	198-120251-09R	12PIN FLAT CABLE AWM 2896 250MM SUPER FLEX P=1.0MM	12P/FFC排线	1	PJ2 CW1 TO PM1 CW1	
267	**PCB-E98000-00R**	**P.C.B. CD TCD-98E MCU ASS'Y**	**MCU板组合件**			
268	100-E98000-00R	P.C.B. CD TCD-98E MCU (56X52X1.2MM)	双面线路板	1		
269	101-003890-00R	I.C.MLC3890-T (MCSLOGIC)	集成块	1	IC301.	
270	101-S39800-00R	I.C. SST39VF800A (48PIN)	集成块	1	IC303.	
271	101-001616-50R	I.C. SDRAM 16M	集成块	1	IC302.	
272	101-111718-00R	I.C. D1117-18C (1.8V)	集成块	1	Q1	
273	112-120000-00R	CRYSTAL 12MHZ	晶振	1	X1	
274	130-D00030-00R	RESISTOR 0 OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R321	
275	130-D10130-00R	RESISTOR 100 OHM +/-5% 1/8W SMTD0603	电阻贴片0603	15	R1.2.3.4.5.6.8.9.10.301.302.303.304.305.306.	RD-0158-07R
276	130-D15230-00R	RESISTOR 1.5K OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R7	RD-0158-07R
277	130-D10230-00R	RESISTOR 1K OHM +/-5% 1/8W SMTD0603	电阻贴片0603	3	R308.309.311.	RD-0158-07R
278	130-D47130-00R	RESISTOR 470 OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R310	RD-0158-07R
279	130-D10430-00R	RESISTOR 100K OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R313.	
280	130-D10530-00R	RESISTOR 1M OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R312.,	
281	130-D22130-00R	RESISTOR 220 OHM +/-5% 1/8W SMTD0603	电阻贴片0603	1	R12.	
282	130-D47330-00R	RESISTOR 47K OHM +/-5% 1/8W SMTD0603	电阻贴片0603	2	R11.307.	
283	140-D10423-20R	CERAMIC CAP. 0.1UF +/-5% 50V SMD 0603	瓷片贴片0603	16	C1.2.3.4.5.6.301.303.304.305.308.311.312.322.323.326.	
284	140-D12223-20R	CERAMIC CAP. 1200PF +/-5% 50V SMD 0603	瓷片贴片0603	2	C309.310.	
285	140-D22023-20R	CERAMIC CAP. 22PF +/-5% 50V SMD 0603	瓷片贴片0603	2	C306.307.	
286	141-047304-30R	ELE.CAP 47UF/16V+80/-20%	电解电容	1	C325. **(注:此电解电容要摆放PCB底部卧式插件)**	
287	141-010404-30R	ELE.CAP 100UF/16V+80-20%	电解电容	2	C321.324. **(注:此电解电容要摆放PCB底部卧式插件)**	
288	193-424200-00R	24 PIN HEADER P=2.0 mm L=9MM [40PX6=(24P+16P+8P)X5,即6条排插针作5台机计]	180度排插针	2	MCU-PCB	
289		**遙控器組合件MODEL:TCD-68E-REM**				
290	PCB-REM68E-00R	**P.C.B. MODEL:TCD-68E-REM ASS'Y-11KEYS**	**遥控器组合件**			
291	100-REM68E-00R	P.C.B. MODEL:TCD-68E-REM (141X74X1.2MM/4)	线路板	1		
292	101-009243-00R	REMOTE I.C. 9243SC	遙控器IC	1	U1	
293	104-134148-04R	SILCON DIODE IN 4148	二级管	2	D1.2.	
294	102-039014-C1R	TRANSISTOR 2SC9014C	三级管	1	Q1.	
295	141-047304-30R	ELE.CAP 47UF/16V+80/-20%	电解电容	1	C1.	
296	130-168230-00R	CAR. RESISTOR 6.8K OHM 1/8W+/-5%	碳膜电阻	1	R1.	
297	111-100455-00R	RESONATOR 455kHz 2 PIN CRB455E ANGLE TYPE (MIDAS)	虑波器	1	X1	
298	140-010123-20R	N.P.O.CERAMIC CAP 100P +/-5% 50V	瓷片电容	2	C2，C3	
299	104-OSE1L7-00R	INFRARED LED IED350B(MUTUAL-TECH)	红外线发射管	1	LED1	
300	198-000001-0XR	JUMPER WIRE 40*0.5MM	铁线	1	JMP1	
301	858-000200-00R	TELECONTROL FRONT CABINET	遥控面壳	1		
302	859-000200-00R	TELECONTROL BACK CABINET	遥控背壳	1		
303	860-000200-00R	TELECONTROL BATTERY DOOR	电池盖	1		
304	861-000200-00R	HANDLE KEY	橡胶按键	1		
305	720-R02001-00R	ANODE SRPING	正极弹簧	1		
306	720-R02002-00R	CATHODE SPRING	负极弹簧	1		
307	720-000103-00R	CATHODE SPRING	正负极弹簧	1		
308	912-000200-00R	PANEL PVC SHEET	面板贴片	1		
309	960-080304-04R	POLYBAG 8"(L)X3"(W)X0.03MM W/PRINTING&PUNCH HOLE	遙控膠袋	1	(遙控膠袋要有環保嘜)	
310	**TCD-009800-00R**	**TT183E TURNTABLE ASSY.**	**唱盤組合件**		**2 速 电 唱 盘 用 料**	
311	175-000201-00R	LEAF SWITCH LS-1-39AE	叶片开关	1		
312		P.C.B. TURNTABLE TCD98 PP1	插座转换小板	1		
313	175-212000-00R	SLIDE SWITCH 1P2T G=13 (SS12F32)	開關推制	1		
314	193-206025-00R	WAFER 6 PIN P=2.5MM	插座	1	CN6	
315	198-000100-00R	JUMPER WIRE 100MM	黑色扎线	1	FOR ROCKER-ARM	
316	198-326060-12R	JUMPER WIRE UL1007#26AWG 60MM RED	红色单支线	1	PP1(VCC) TO TURNTABLE SW	
317	198-326060-14R	JUMPER WIRE UL1007#26AWG 60MM YELLOW	黄色单支线	1	PP1(MUTE) TO TURNTABLE MOTOR(+)	
318	198-326060-16R	JUMPER WIRE UL1007#26AWG 60MM BLUE	蓝色单支线	1	PP1(GND) TO TURNTABLE MOTOR(-)	

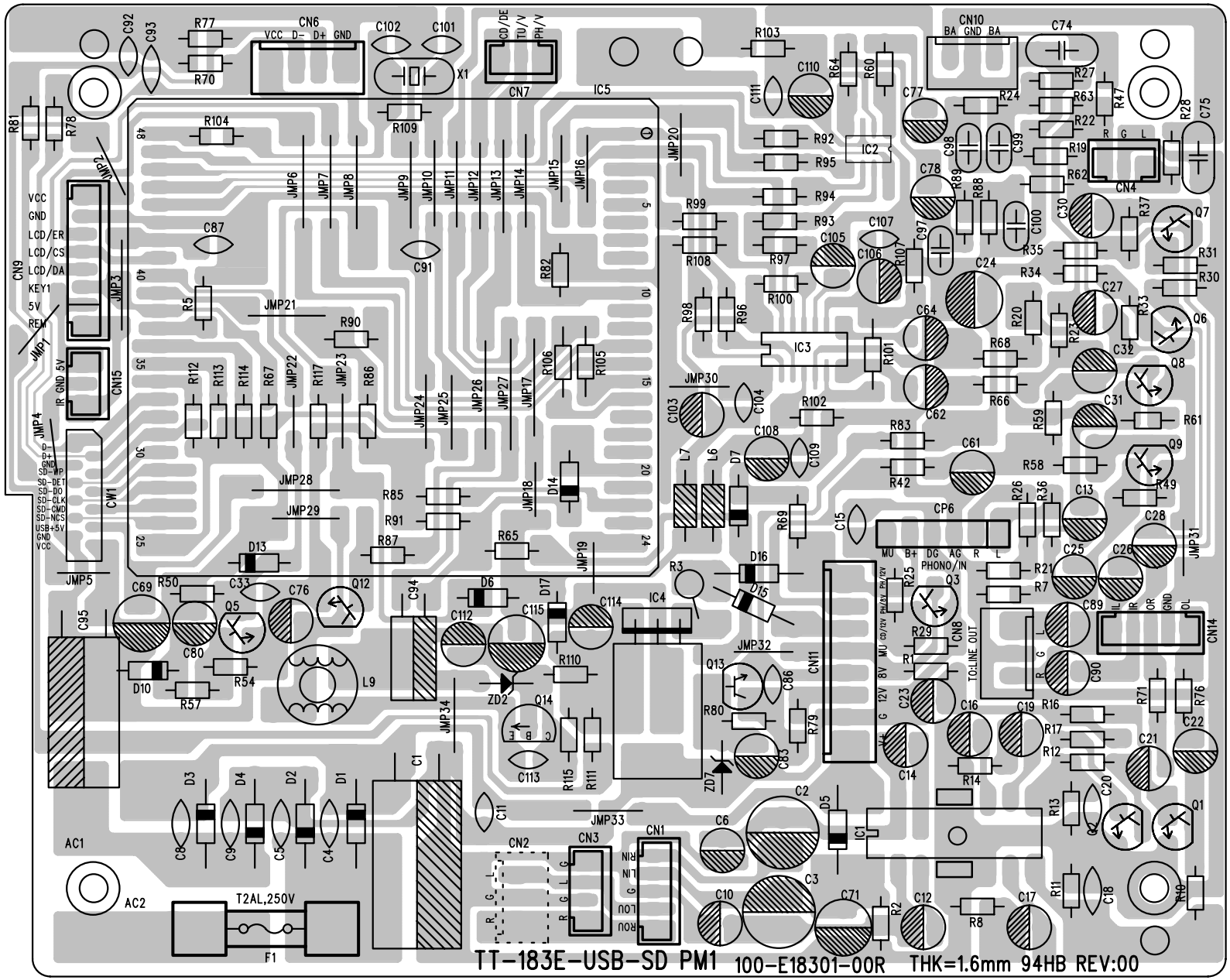
319	198-326101-10R	JUMPER WIRE UL1007#26AWG 100MM BLACK WIRE	黑色单支线	1	TURNTABLE SW TO TURNTABLE MOTOR(+)	
320	198-326121-12R	JUMPER WIRE UL1007#26AWG 120MM RED WIRE	红色单支线	1	TURNTABLE MOTOR(A) TO HIGH SW	
321	198-326121-12R	JUMPER WIRE UL1007#26AWG 120MM RED WIRE	红色单支线	1	TURNTABLE MOTOR(B) TO HIGH SW	
322	198-330341-10R	UL2854#30AWG T/S 340MM H=8.5MM(BLACK SET WIRE) W/ TERMINAL	黑色单支线	1	唱头线	
323	198-330341-12R	UL2854#30AWG T/S 340MM H=8.5MM (RED SET WIRE) W/TERMINAL	红色单支线	1	唱头线	
324	198-330341-19R	UL2854#30AWG T/S 340MM H=8.5MM(WHITE SET WRE) W/TERMINAL	白色单支线	1	唱头线	
325	214-008800-00R	CARTRIDGE	唱头	1	国产红宝石针	
326	220-008800-01R	DC MOTOR #THLEG530PD-2F/9F	马达	1		
327	305-405003-00R	UL SHRINK TUBE DIA4MM L=50MM	热缩胶管	1	FOR TURNTABLE	
328	500-020803-00R	SCREW 2 X 8 B/T	螺絲	1	1 FOR LEAF SWITCH	
329	500-020603-00R	SCREW 2 X 6 B/T	螺絲	2	2 FOR SLIDE SWITCH	
330	501-260502-00R	SCREW 2.6X 5 B/M	螺絲	3	FOR MOTOR	RD-0114-07R
331	500-261003-00R	SCREW 2.6X 10 B/T	螺絲	2	1 FOR SHAFT BRACKET,1 FOR PCB BRACKET	
332	500-030803-00R	SCREW 3 X 8 B/T	螺絲	1	1 FOR PVC PLATE,	
333	500-261202-00R	SCREW 2.6X 12 PA	螺絲	1	FOR SW BKT	
334	509-000006-00R	E-RING WASHER (BLACK)	鐵E形介子	1		
335	510-085003-00R	SOLDERING LUG DIA8.0X50X03MM	焊錫片	1		
336	707-028100-A0R	FIXING -PLATE (A) M3 SCREW	固定片	4		
337	605-008800-00R	TURNTABLE RUBBER	唱盘胶脚	2		
338	608-063200-00R	RUBBER CUSHION	橡膠墊	4		
339	622-121506-00R	RUBBER BELT DIA121X5X0.6	橡膠皮帶	1		
340	712-063200-00R	STUP PULLEY	五金滑轮	1	塑胶滑轮更改为五金滑轮塑	
341	712-063201-00R	STUD SHAFT	五金軸	1		
342	712-063202-00R	STUD PIN(DIA3X30MM)	五金針柱	1		
343	721-008800-00R	SPRING TUNTABLE HINGE (SEC1.4MM)	門扣彈弓	1		
344	721-008800-01R	SWITCH ADJUST SPRING DIA0.5X7MM	开关彈弓	1		
345	834-008800-00R	DUST COVER-LENS 透明灰	唱盤蓋	1		
346	806-008800-00R	TURNTABLE- BASE 原色	唱盤座	1		
347	845-008800-00R	HINGE SPRING BRACKET 原色	門校支架	1		
348	850-008800-00R	ROCKER ARM - SHAFT 原色	唱臂軸	1		
349	850-008801-00R	SHAFT - BRACKET 原色	唱臂軸支架	1		
350	851-008800-00R	HINGE HOLDER 原色	門扣座	1		
351	852-008800-00R	HINGE -LOCKER 原色	門扣	1		
352	852-008801-00R	ARM - LOCKER 原色	唱盤扣	1		
353	861-008800-00R	PLASTIC COVER	塑胶塞	2		
354	866-008800-00R	REVOLE-TABLE 原色	旋轉盤	1		
355	887-008800-00R	ROCKER-ARM 原色	唱臂	1		
356	888-008800-00R	REVOLE-TABLE COVER 原色	旋轉小盤	1		
357	912-063202-00R	PVC PLATE	PVC 片	1		
358		**有自停开关使用**				
359	175-212000-07R	SLIDE SWITCH 2P2T (SS22 F25 G=7)	自动停開關 (有牙)	1	FOR AUTO STOP	
360	501-020802-00R	SCREW 2 X 8 B/M	螺絲	2	FOR AUTO STOP SW	
361	193-202020-00R	PIN SOCKET 2PIN 2.0MM	插座	1	CN25.	
362	194-020050-16R	UL2468#26AWG 250MM 2P1H P=2.0MM	线材	1	AUTO STOP SW TO CN25	

THK=1.2MM REV:00

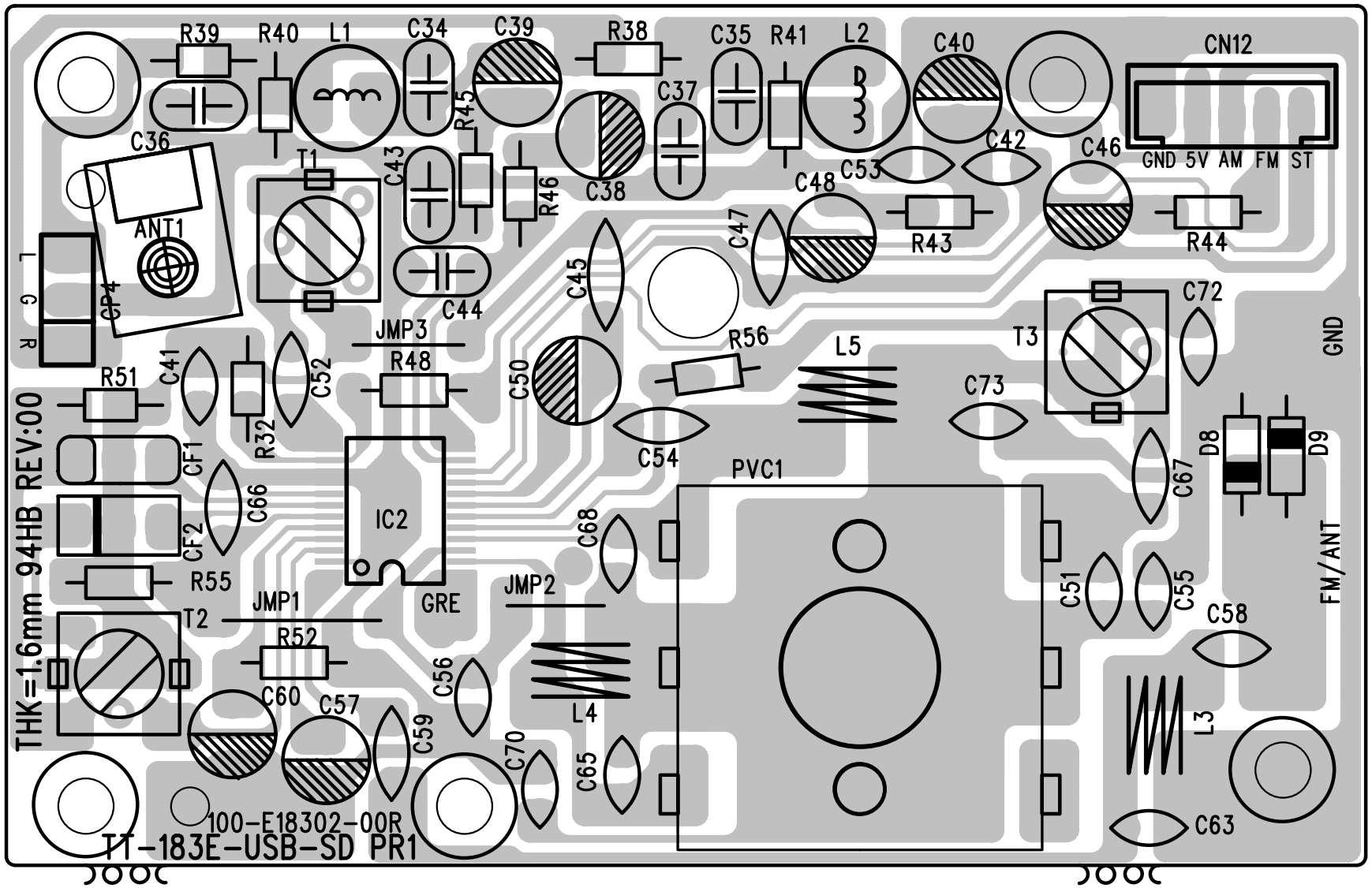


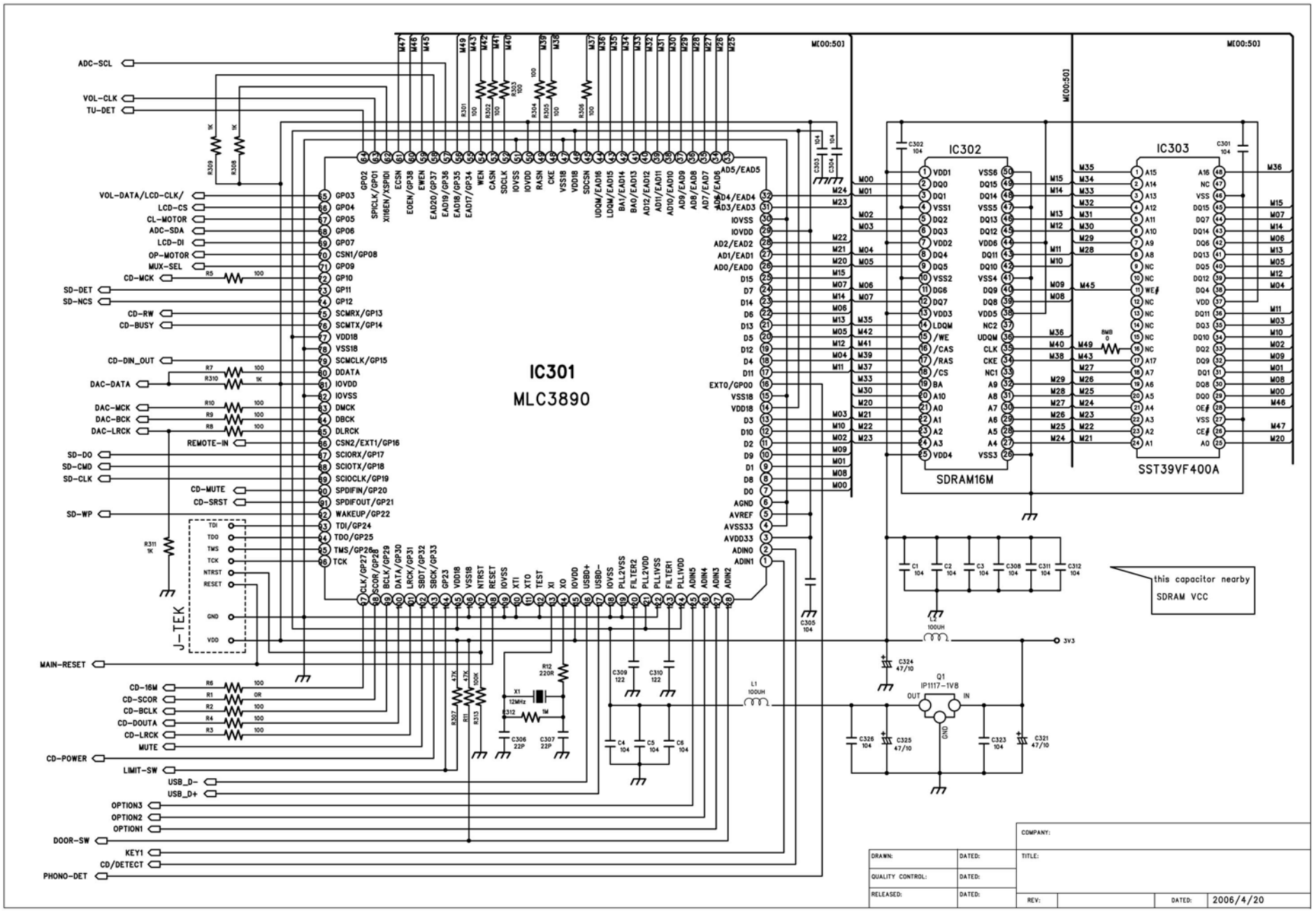

194X90MM
TT-183E-USB-SD KEY 100-E18303-00R
THK=1.6mm 94HB REV:00
TT-183E PK1
TT-183E PJ1
TT-183E PV1
TT-183E PP2
TT-183E PJ2
TCD-98E PP1
LCD1
U10
JACK1
USB1
CP11
CP14
CP15
SW1
SW101
SW102
SW4
CP2
CN5
CN6
CN7
CN25
CN26
CN1
VR1
VR2
VR3
VR4
LED1
LED2
LED4
PLAY/STOP
FUNC
REC
DN/FB
UP/FF
FOLDER_UP
OFF-PH-CD-TU
AM-FM-FM/ST
SD/SOCKET1

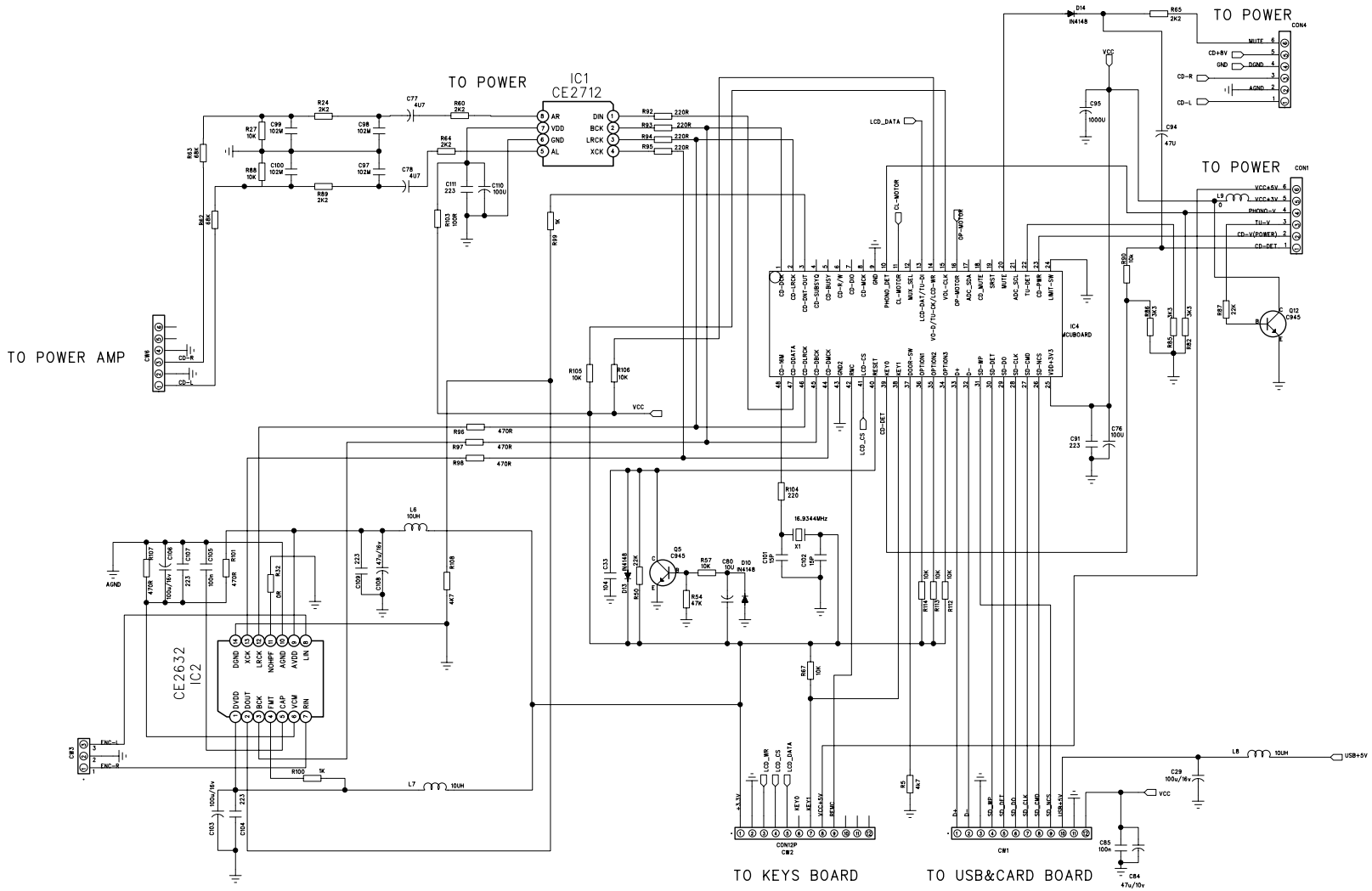
139x112mm

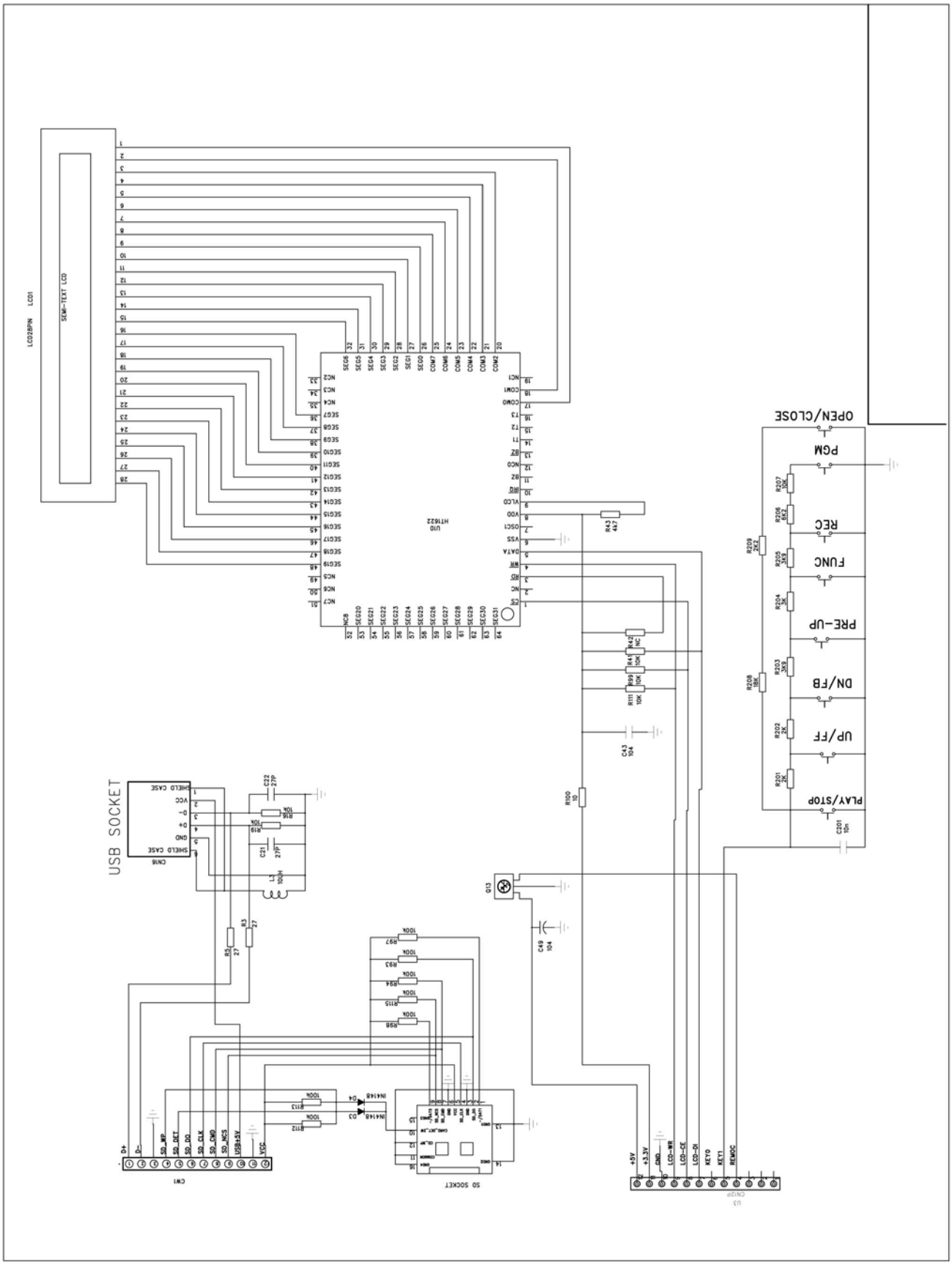


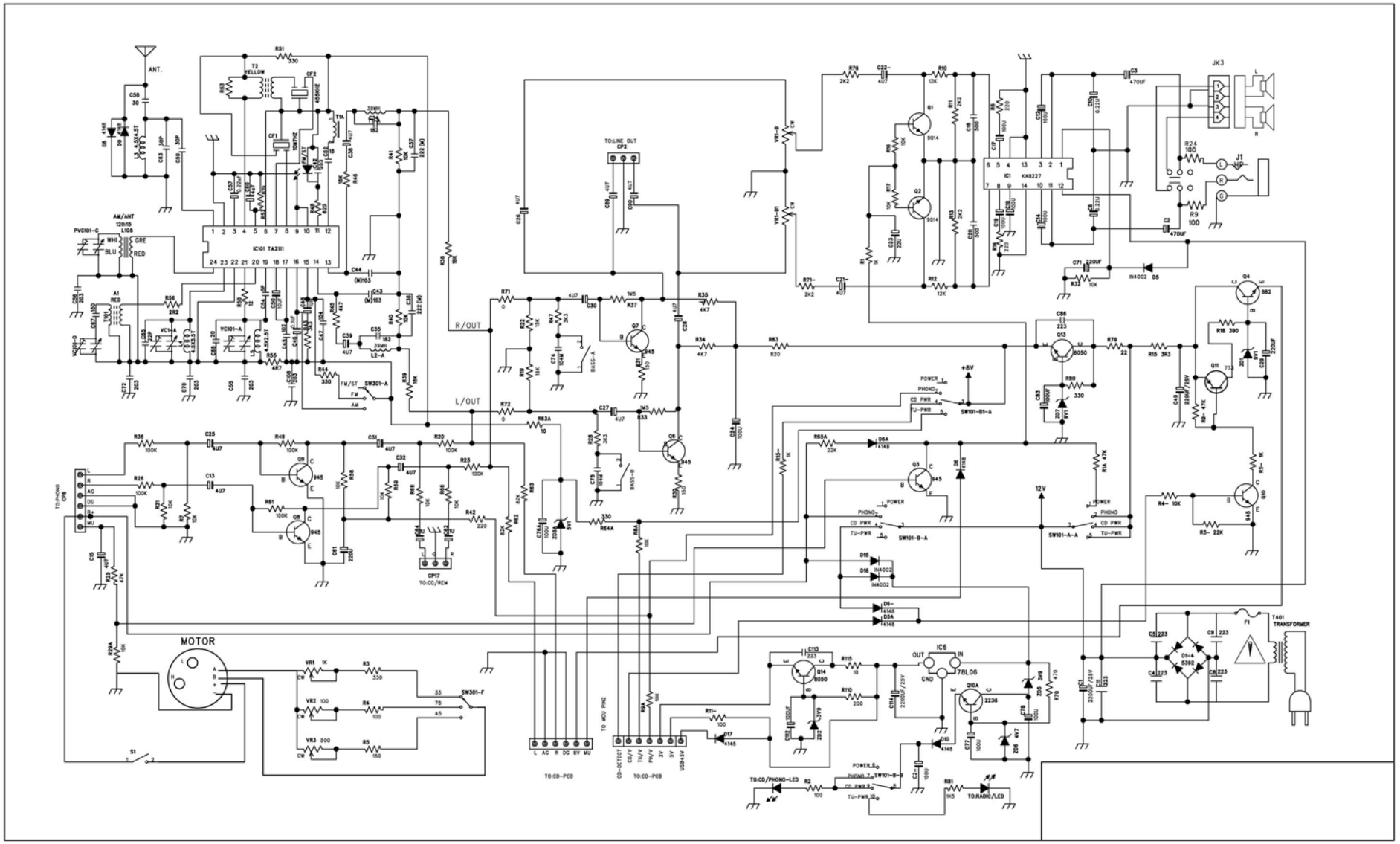
152X80/3MM


R39
R40
L1
C34
C39
R38
C35
R41
L2
C40
CN12
GND 5V AM FM ST
C36
T1
C43
R45
R46
C38
C37
C42
C53
C48
C46
C47
R43
R44
ANT1
CP4
C45
C44
JMP3
R48
R56
L5
T3
C72
C73
GND
R51
C41
C52
C50
C54
R32
CF1
CF2
C66
IC2
PVC1
D8
D9
C67
FM/ANT
R55
JMP1
JMP2
GRE
T2
R52
C68
C51
C55
C58
C56
C60
C57
C59
L4
C70
C65
L3
C63
THK=1.6mm 94HB REV:00
100-E18302-00R
TT-183E-USB-SD PR1


IC301
MLC3890
IC302
SDRAM16M
IC303
SST39VF400A
J-TEK
this capacitor nearby SDRAM VCC
ADC-SCL
VOL-CLK
TU-DET
VOL-DATA/LCD-CLK/
LCD-CS
CL-MOTOR
ADC-SDA
LCD-DI
OP-MOTOR
MUX-SEL
CD-MCK
SD-DET
SD-NCS
CD-RW
CD-BUSY
CD-DIN_OUT
DAC-DATA
DAC-MCK
DAC-BCK
DAC-LRCK
REMOTE-IN
SD-DO
SD-CMD
SD-CLK
CD-MUTE
CD-SRST
SD-WP
MAIN-RESET
CD-16M
CD-SCOR
CD-BCLK
CD-DOUTA
CD-LRCK
MUTE
CD-POWER
LIMIT-SW
USB_D-
USB_D+
OPTION3
OPTION2
OPTION1
DOOR-SW
KEY1
CD/DETECT
PHONO-DET
3V3
COMPANY:
DRAWN:
DATED:
TITLE:
QUALITY CONTROL:
RELEASED:
REV:
2006/4/20

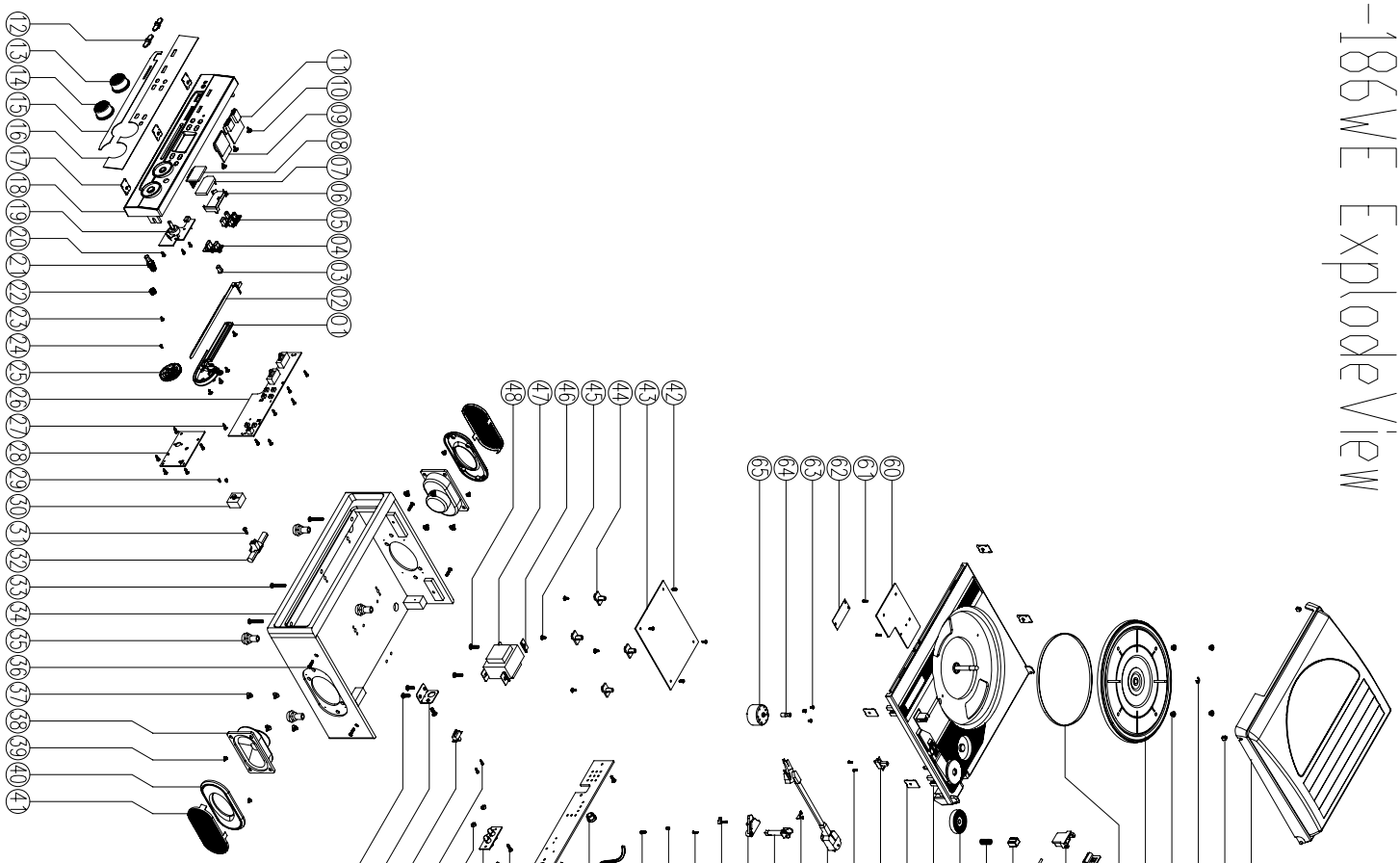

TO POWER AMP
TO POWER
IC1
CE2712
TO POWER
TO POWER
IC2
CE2632
TO KEYS BOARD
TO USB&CARD BOARD
IC4
MCUBOARD
16.9344MHz
CAUTION:
The track of DMCK,DBCK,DLRCK,ADC_SCL,ADS_SDA,ADS_DOUT as short as possible when pcb layout, and the gound no need too big ,but too small also cann't 74LVC157A AND CD74HC4094 nearby mcu module as possible


LCD28PIN LCD1
SEMI-TEXT LCD
U10
HT1622
OPEN/CLOSE
PGM
REC
FUNC
PRE-UP
DN/FB
UP/FF
PLAY/STOP
USB SOCKET
SHIELD CASE
VCC
D-
D+
GND
CN1
SD SOCKET
+5V
+3.3V
GND
LCD-WR
LCD-CS
LCD-DI
KEY0
KEY1
REMOC


ANT.
AM/ANT
IC101 TA2111
MOTOR
TO:LINE OUT
R/OUT
L/OUT
TO:PHONO
TO:CD/REW
TO:CD-PCB
TO MCU PIN2
CD-DETECT
USB+5V
IC6
7BL06
IC1 KA8227
JK3
T401
TRANSFORMER
TO:CD/PHONO-LED
TO:RADIO/LED
SW301-A
SW301-F
SW101-A-A
SW101-B-A
SW101-B1-A
SW101-B-B
POWER
PHONO
CD PWR
TU-PWR
+8V
12V

2007-06-27 11:28:39 上午

TT-186WE Explode View



ITEM	PART#	DESCRIPTION	QTY
1	840-018300-03R	DIAL POINTER BRACKET	01
2	864-018300-00R	RACK DIAL POINTER	01
3	829-018600-00R	BASS BOOST KNOB	01
4	825-018600-00R	FUNCTION KNOB-R	01
5	825-018601-00R	FUNCTION KNOB-L	01
6	843-018600-00R	LCD BRACKET	01
7	104-068801-00R	LCD BLUE BACKLIGHT	01
8	161-53K68E-25R	LCD DISPLAY	01
9	190-206015-00R	SD CARD SOCKET	01
10	500-260821-00R	SCREW 2.6 X 8 PW/A (W=10mm)	03
11	190-207214-00R	USB SOCKET	01
12	827-018300-00R	SLIDE KNOB	02
13	823-018600-00R	TUNING KONB	01
14	822-18600-00R	VOLUME KNOB	01
15	912-018600-00R	USB&SD PVC PLATE	01
16	912-018601-00R	MAGIC MIRROR	01
17	707-063200-00R	FIXING PLATE(M4)	03
18	800-018600-00R	FRONT CABINET	01
19	TBD	P.C.B. VOL ASSY	01
20	500-260802-00R	SCREW 2.6 X 8 P/A	03
21	823-018301-00R	TUNING GEAR	01
22	823-018302-00R	TUNING GEAR (SMALL)	01
23	500-020808-00R	SCREW 2 X 8 PW/A	01
24	501-260502-00R	SCREW 2.6 X 5 B/M	01
25	865-018300-00R	DAIL DRUM	01
26	PCB-E18303-00R	P.C.B. KEY ASSY	01
27	500-261002-00R	SCREW 2.6 X 10 P/A	12
28	PCB-E18302-00R	P.C.B. RADIO ASSY	01
29	501-260403-00R	SCREW 2.6 X 4 K/M	02
30	151-113000-01R	PVC	01
31	500-031003-00R	SCREW 3X10 B/T	01
32	867-028100-00R	BAR HOLDER	01
33	501-041202-00R	SCREW 4 X 12 B/M	06
34	405-018600-00R	WOODEN BOX ASSY	01
35	605-001926-05R	RUBBER FOOT DIA19X26X5	04
36	501-031203-01R	SCREW 3 X 12 K/M (BLACK)	06
37	500-040808-00R	SCREW 4 X 8 PW/A	08
38	172-000000-00R	SPEAKER 2" 4OHM 3-5W	02
39	500-030621-00R	SCREW 3X 6 PW/A (W=10 mm)	04
40	856-001800-00R	SPEAKER PANEL	02
41	715-001800-00R	SPEAKER GRILL	02
42	500-030802-00R	SCREW 3 X 8 P/A	04
43	PCB-E18301-00R	P.C.B. MAIN TT-183E ASSY	01
44	845-018300-00R	MAIN PCB HOLDER	04
45	500-030808-00R	SCREW 3 X 8 PW/A	04
46	707-008800-00R	FIXING PLATE	02
47	121-411081-7DR	TRANSFORMER E141	01
48	501-041502-00R	SCREW 4 X 15 B/M	02
49	501-041200-00R	SCREW 4X12 B/M	03
50	708-061200-AR	AC CORD MTG BRACKET	01
51	175-212000-07R	SLIDE SWITCH	01
52	500-020802-00R	SCREW 2 X 8 B/M	02
53	508-000003-00R	NUT M3	02
54	190-600262-00R	SPK TERMINAL SOCKET	02
55	501-031202-00R	SCREW 3 X 12 B/M	01
56	420-001810-10R	WOODEN BACK BOARD	01
57	500-031208-00R	SCREW 3 X 12 PWA	03
58	874-061200-00R	STRAIN RELIEF BUSHING	01
59	201-033072-01R	POWER CORD	01
60	ITT-000183-00R	P.C.B. ASSY	01
61	500-030802-00R	SCREW 3X8 P/A	02
62	510-085003-00R	SOLDERING LUG	01
63	501-265502-00R	SCREW 2.6 X 5.5 B/M	03
64	712-063200-00R	MOTOR-METAL SHAFT	01
65	220-008801-01R	DC MOTOR	01
66	500-261202-00R	SCREW 2.6 X 12 P/A	01
67	721-008800-01R	SEITCH ADJUST SPRING	01
68	500-261003-00R	SCREW 2.6 X 10 B/T	03
69	175-000201-00R	LEAF SWITCH	01
70	850-008801-00R	SHAFT BRACKET	01
71	850-008800-00R	ROCKER ARM SHAFT	01
72	852-008801-00R	ARM LOCKER	01
73	887-008800-00R	ROCKER ARM	01
74	500-020603-00R	SCREW 2 X 6 B/T	02
75	175-212001-00R	SLIDE SWITCH	01
76	707-063201-00R	FIXING PLATE(M3)	04
77	806-008800-00R	TURNTABLE BASE	01
78	888-008800-00R	REVOLE TABLE COVER	01
79	721-008800-00R	SPRING TUNTABLE HINGE	01
80	851-008800-00R	HINGE HOLDER	01
81	712-063201-00R	STUD SHAFT	01
82	845-008800-00R	HINGE SPRING BRACKET	01
83	862-008800-00R	HINGE LOCKER	01
84	622-121506-00R	RUBBER BELT DIA121X5X0.6	01
85	866-008800-00R	REVOLE TABLE	01
86	608-063200-00R	RUBBER CUSHION	01
87	509-000006-00R	E-RING WASHER (BLACK)	02
88	805-008800-00R	TURNTABLE RUBBER	02
89	834-008800-00R	DUST COVER ITNS	01

MODEL NUMBER:	TT-186WE-USB-SDE
CUSTOMERS MODEL NUMBER:	
BRAND:	
TYPE OF SET:	MUSIC CENTER
DATE:	2008-7-3

STANDARD TEST CONDITIONS

SUPPLY VOLTAGE:	DC:_____V, AC: 230 V, 50 Hz
REFERENCE OUTPUT POWER:	50 MW INTO 4 OHM LOA
AM ANTENNA:	IRE LOOP ANT.
AM STANDARD SIGNAL:	400 Hz , 30% MODULATION
FM ANTENNA:	75 OHMS , UN BALANCED
FM STANDARD SIGNAL MONO:	1 KHz , 22.5 KHz DEVIATION
FM STANDARD SIGNAL (STEREO):	1 KHz , 75 KHz DEVIATION

1 UV=1 UV= 0 dB FOR RADIO FREQUENCY

1 V = 1 V = 0 dB FOR AUDIO FREQUENCY

ELEC ENCR:_____ APPROVER:_____ MANAGER:

AM PERFORMANCE SPECIFICATIONS (MW)

No.	Test Items	Unit	Nominal	Limit	Remark1
1	Intermediate frequency	KHz	465	+/-3	
2	Tuning range	KHz	525-1625	+/-15	
3	Dial calibration 612KHz	KHz		+/-30	
	1404KHz	KHz		+/-70	
4	Max sensitivity 612KHZ	dB			
	999KHz	dB			
	1404KHz	dB			
5	20 dB quieting 612KHz	dB	82	90	
	999KHz	dB	84	90	
	sensitivity 1404KHz	dB	82	90	
6	IF rejection 612KHz	dB	45	35	
7	Image rejection 1404KHz	dB	35	30	
8	S/N ratio 5mV/M input	dB	35	28	
9	AGC figure of merit 100mV/M	dB	45	40	
10	A.C.A at 20dB S/N +/-10KHz	dB	20	14	
11	-6dB band width at 20 dB S/N	KHz	8	5~10	
12	T.H.D 5mV/M 30% mod	%	1	3	
	100m/V/M 80% mod	%	3	5	
13	Modulation hum 100mV/M	dB	40	35	
14	Frequency response -6dB low	Hz	30	60	
	400 Hz=0dB, 5mV/M high	Hz	2200	1800	
15	Output power %mod, 5mV/M	W			
16	10% THD power 80% mod, 5mV/M	W	1.5		
17	Hum & Noise level VR min	mV	1	3	
18	Whistle at 5mV/M IFX2, FIX3	%	3	10	
19	Spurious response at 1400 KHz 2.5 MHz - 10MHz	dB			
20	AM signal meter 5mV/M	%			
21	Record beat 5mV/M	%			
22	FAIL OUT VOLTAGE (DC)	V			
	(AC)	%			
23	AUTO STOP Sensitivity 612KHZ	dB			
	999KHz	dB			
	1404KHz	dB			

FM PERFORMANCE SPECIFICATIONS

No.	Test Items	Unit	Nominal	Limit	Remark1
1	Intermediate frequency	MHz	10.7	+/-0.1	
2	Tuning range	MHz	87.35-108.35	+/-0.25	
3	Dial calibration 90MHz	KHz		+/-700	
	106MHz	KHz		+/-700	
4	90KHZ	uV			
	Max sensitivity IHF 98MHz	uV			
	106MHz	uV			
5	30 dB quieting 90MHz	dB	20	28	
	98MHz	dB	20	28	
	sensitivity 106MHz	dB	20	28	
6	IF rejection 90MHz	dB	40	35	
7	Image rejection 106MHz	dB	28	22	
8	S/N ratio1mV input 22.5 KHz dev	dB	50	30	
9	3 dB limiting sensitivity	dB	10	20	
10	T.H.D 22.5 KHz dev	%	0.5	1	
11	AM suppression	dB	32	26	
12	Modulation hum100mv 22.5KHz dev	dB	50	40	
13	AFC hold rang - 3 dB 1 mV	KHz	350	300~400	
14	Frequency response -3dB	Hz	35	60	
	with 50 usec pre-emphasis	KHz	12	10	
15	Overload break	mV			
16	Output power 32 KHz dev 1mV	W			
17	10% THD power 60KHz dev. 1mV	W	1.5		
18	Hum & Noise level VR MIN	mV	1	3	
19	Spurious response	dB			
20	Muting on level	uV			
21	Muting bandwidth	KHz			
22	Alternate channel selectivity 0.1 mV				
	input +/- KHz	dB			
23	Capture ration 1mV	dB			
24	FAIL OUTPUT VOLTAGE (DC)	V			
	(AC)	%			
25	90KHZ	dB			
	AUTO STOP Sensitivity 98MHz	dB			
	106MHz	dB			

FM PERFORMANCE SPECIFICATIONS

NO.	Test items	Unit	Norminal	Limit	Remark1
25	MPX indicator sens.	dB	24	28	
26	100Hz	dB			W/Z 19KHz FILTER
	MPX separation 1k Hz	dB	26	25	
	10K Hz	dB			
27	MPX T.H.D. Main 400 Hz	%	2	3	W/Z 19KHz FILTER
	L. or R. 1K Hz	%	2	3	
4 28	MAX 50dB quieting Sensitivity 98MHz	dB			
28	MPX S/N ratio	dB	38	30	W/Z 19KHz FILTER
30	FM signal meter	%			
31	SCA Signanl Suppression	dB			

USB/SD PALYER

(TEST AT SPKD OUTPUT)

NO.	Test items	Unit	Nominal	Limit	Remark1
1	LEVEL 0dB FREQUENCY RESPONSE 40 - 20KHz	dB dB	0.5	+/-3.5	
2	LEVEL 0dB CHANNEL SEPARATION 1KHz	dB	40	30	JIS A NET IN
3	LEVEL 0dB TOTAL HARMONNIC DISTORTION	%	0.2	0.5	JIS A NET IN
4	LEVEL 0dB S/N RATIO	dB	45	35	JIS A NET IN
5	LEVEL 0dB OUT PUT LEVEL	Verm			
6	LEVEL 0dB UNBALANCE L/R	dB	0	+/-3	

ACCESS TIME PHILIPS
START - UP 1ST TRACK </= 5SEC
SHORT ACCESS TIME TR 1< - >2 </= 3 SEC
LONG ACCESS TIME TR 1 < - > UNIT </= 10 SEC
TEST DISC TYPE 3 (SONY YEDS -)
2 X OVERSAMPLING, 16 BIT D/A CONVERTER

AUDIO LEVEL BALANCE

No.		Unit	Norminal	Limit	Remark0
	FM 1000uV 22.5K DEV.	dB	0	0	
FM FUNC.1mV	AM 5mV/M30%MOD	dB	-1	+/-3	
22.5KHz DEV	PHONO TX-4005-B 1KHz	dB	0	+/-3	
(FM LEVEL 0dB)	CD-10 dB RECORDING LEVEL	dB	+1	+/-3	

PHONO PERFORMANCE SPECIFICATIONS

NO.	Test items	Unit	Nominal	Limit	Remark1
1	Wow & Flutter TX-4005-B 33RBM	%	0.25	0.35	
	45RPM	%			
	78RPM	%			
2	Speed error	%			
4	Residual Hum & Noise level VR MIN	mV	1	3	
5	Separation TX-4005-B	dB	25	20	